

**COMBINED DECLARATION AND POWER OF ATTORNEY***ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL*

As a below named inventor, I hereby declare that:

**TYPE OF DECLARATION**

This declaration is of the following type: Original

**INVENTORSHIP IDENTIFICATION**

My residence, post office address and citizenship are as stated below next to my name, I believe I am the original, first and sole inventor (*if only one name is listed below*) or an original, first and joint inventor (*if plural names are listed below*) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**POINTER PROCESSING AND PATH BIP-8 COMPUTATION FOR LARGE  
CONCATENATED PAYLOADS**

**SPECIFICATION IDENTIFICATION**

the specification of which:

■ is attached hereto.

**ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR**

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations. § 1.56(a).

**PRIORITY CLAIM**

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED WITHIN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Country	Application No.	Date of Filing dd/mm/yyyy	Priority Claimed Under 37 USC 119
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ALL FOREIGN APPLICATION(S), IF ANY, FILED MORE THAN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Country	Application No.	Date of Filing
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I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application Serial No.	Filing Date	Status (patented, pending, abandoned)
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#### POWER OF ATTORNEY

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. *(List name(s) and registration number(s))*

Bruce Dudley, Registration No. 24,634  
Ivan Straznicky, Registration No. 26,119  
John W. Ross, Registration No. 26,436  
Judy A. Erratt, Registration No. 34,076  
Bruce E. Morgan, Registration No. 31,911  
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Hélène D'Iorio, Registration No. 39,074

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Yoshiharu Toyooka, Registration No. 31,721  
Ikuko Wada, Registration No. 43,432  
John D. Harris, Registration No. 39,465  
T. Gary O'Neill, Registration No. 36,355

- Attached as part of this declaration and power of attorney is the authorization of the above-named attorney(s) to accept and follow instructions from my representative(s).

#### SEND CORRESPONDENCE TO:

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#### DIRECT TELEPHONE CALLS TO:

*(Name and telephone number)*

John Harris  
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### DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such wilful false statements may jeopardize the validity of the application or any patent issued thereon.

### SIGNATURE (s)

Full name of first inventor:

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Post Office Address:

Date:

Sept 15, 2000

Signature:

Luca R. Diaconescu

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Sept 15, 2000

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Ronald J. Gagnon



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

NOVEMBER 14, 2000

PTAS

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\*101473479A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

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ASSIGNOR:  
DIACONESCU, LUCA R.

DOC DATE: 09/15/2000

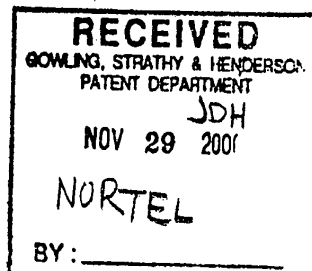
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DOC DATE: 09/15/2000

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SERIAL NUMBER: 09663823  
PATENT NUMBER:

FILING DATE: 09/15/2000  
ISSUE DATE:





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MARY BENTON, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

09-27-2000

T-570 P.03 F-809

FORM PTO-1595 (Rev. 6-93) OMB NO 0851-0011 (sup. 4/94)		REI  101473479		U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office	
To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof					
1. Name of conveying party(ies): Luca R. Diaconescu Ronald J. Gagnon Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies): Name: Nortel Networks Limited Address: World Trade Center of Montreal 380 St. Antoine Street West, 8th Floor Montreal, Quebec, H2Y 3Y4, Canada			
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Security Agreement <input type="checkbox"/> Other _____ <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name		Execution Date: September 15, 2000 Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
4. Application number(s) or patent number(s): 09/463823 If this document is being filed together with a new application, the execution date of the application is: September 15, 2000					
A. Patent Application No.(s):		B. Patent No.(s):			
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: John Harris Address: GOWLING LAFLEUR HENDERSON LLP 160 Elgin Street, Suite 2600 Ottawa, Ontario, K1P 1C3 CANADA		6. Total number of applications and patents involved: 1			
		7. Total fee (37 CFR 3.41) \$ 40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account			
		8. Deposit account number: 07-1750			
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9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.					
Registration No. 26,644 Ed Rymek Name of Person Signing		 Signature Date: Sep 15, 2000			
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Mail documents to be recorded with required cover sheet information to:  
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 Washington, D.C. 20231

Jc918 U.S. PTO  
 09/15/00  
 09/15/00

Case: 12211RO

# ASSIGNMENT NORTEL NETWORKS LIMITED

For value received, I (we) the undersigned, whose full post office address(es) is (are) adjacent my (our) name(s), hereby sell, assign and transfer to:

whose full post office address is: **NORTEL NETWORKS LIMITED**  
World Trade Center of Montreal  
380 St. Anroine Street West, 8th Floor  
Montreal, Quebec  
H2Y 3Y4 Canada

its successors, assigns and legal representatives, the entire right, title and interest, including priority rights, for all countries, in and to certain inventions relating to:

## POINTER PROCESSING AND PATH BIP8 COMPUTATION FOR LARGE CONCATENATED PAYLOADS

set forth in an application for letters patent of the UNITED STATES OF AMERICA  
executed concurrently herewith, and all rights and privileges under any and all letters patent that may be  
granted for said inventions.

Colleen Piercey  
Witness Signature

Colleen Piercey  
Witness Name (print)

Kathleen D. Watson  
Witness Signature

Kathleen D. Watson  
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Luca R. Diaconescu Date Sept 15, 2000  
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